

Release notes for ENDF/B Development e-084_Po_000
evaluation

ENDF
B-VII.dev

October 13, 2016

- fudge-4.0 Warnings:

1. Mislabelled emitted particle
Reading ENDF file: ../e-084_Po_000.endf (Error # 0): ZAP messed up

WARNING: photon most likely labelled as an electron (ZAP = 11), converting to ZAP = 0
2. FIXME: Generic fudge unimplemented message
reaction label 1: e- + Po + gamma [bremsstrahlung] / Product: e- (Error # 0): Generic unimp (c)

WARNING: Checking not yet implemented for energyLoss type data
3. FIXME: Generic fudge unimplemented message
reaction label 2: e- + Po [excitation] / Product: e- (Error # 0): Generic unimp (c)

WARNING: Checking not yet implemented for energyLoss type data

- fudge-4.0 Errors:

1. Calculated and tabulated thresholds don't agree
reaction label 0: e- + Po [large angle Coulomb scattering] / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 10. eV!
2. Calculated and tabulated thresholds don't agree
reaction label 1: e- + Po + gamma [bremsstrahlung] / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 10. eV!
3. Calculated and tabulated thresholds don't agree
reaction label 2: e- + Po [excitation] / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 10. eV!
4. Calculated and tabulated thresholds don't agree
reaction label 3: e- + e- + Po1s1/2 / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 93424. eV!
5. Calculated and tabulated thresholds don't agree
reaction label 4: e- + e- + Po2s1/2 / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 16918. eV!
6. Calculated and tabulated thresholds don't agree
reaction label 5: e- + e- + Po2p1/2 / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 16297. eV!
7. Calculated and tabulated thresholds don't agree
reaction label 6: e- + e- + Po2p3/2 / Cross section: (Error # 0): Threshold mismatch

- WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 13817. eV!
8. Calculated and tabulated thresholds don't agree
reaction label 7: $e^- + e^- + Po3s1/2$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 4127.6 eV!

 9. Calculated and tabulated thresholds don't agree
reaction label 8: $e^- + e^- + Po3p1/2$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 3840.2 eV!

 10. Calculated and tabulated thresholds don't agree
reaction label 9: $e^- + e^- + Po3p3/2$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 3281.5 eV!

 11. Calculated and tabulated thresholds don't agree
reaction label 10: $e^- + e^- + Po3d3/2$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 2803.5 eV!

 12. Calculated and tabulated thresholds don't agree
reaction label 11: $e^- + e^- + Po3d5/2$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 2685.1 eV!

 13. Calculated and tabulated thresholds don't agree
reaction label 12: $e^- + e^- + Po4s1/2$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 971.64 eV!

 14. Calculated and tabulated thresholds don't agree
reaction label 13: $e^- + e^- + Po4p1/2$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 844.3 eV!

 15. Calculated and tabulated thresholds don't agree
reaction label 14: $e^- + e^- + Po4p3/2$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 704.96 eV!

 16. Calculated and tabulated thresholds don't agree
reaction label 15: $e^- + e^- + Po4d3/2$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 495.56 eV!

 17. Calculated and tabulated thresholds don't agree
reaction label 16: $e^- + e^- + Po4d5/2$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 469.54 eV!

 18. Calculated and tabulated thresholds don't agree
reaction label 17: $e^- + e^- + Po4f5/2$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 195.5 eV!

19. Calculated and tabulated thresholds don't agree
reaction label 18: $e^- + e^- + Po4f7/2$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 189.3 eV!
20. Calculated and tabulated thresholds don't agree
reaction label 19: $e^- + e^- + Po5s1/2$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 181.34 eV!
21. Calculated and tabulated thresholds don't agree
reaction label 20: $e^- + e^- + Po5p1/2$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 135.73 eV!
22. Calculated and tabulated thresholds don't agree
reaction label 21: $e^- + e^- + Po5p3/2$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 107.52 eV!
23. Calculated and tabulated thresholds don't agree
reaction label 22: $e^- + e^- + Po5d3/2$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 42.16 eV!
24. Calculated and tabulated thresholds don't agree
reaction label 23: $e^- + e^- + Po5d5/2$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 38.51 eV!
25. Calculated and tabulated thresholds don't agree
reaction label 24: $e^- + e^- + Po6s1/2$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 20.33 eV!
26. Calculated and tabulated thresholds don't agree
reaction label 25: $e^- + e^- + Po6p1/2$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 10.25 eV!
27. Calculated and tabulated thresholds don't agree
reaction label 26: $e^- + e^- + Po6p3/2$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 7.44 eV!

- **xsectplotter** Warnings:

1. Mislabeled emitted particle
Error: ZAP messed up

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stderr while processing crossSection
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WARNING: photon most likely labelled as an electron (ZAP = 11), converting to ZAP = 0
... [4 more lines]
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